

16_42 Significant Digits on Vertical Profiles

Question:

Vertical alignments are calculating grades using 4 decimal places for elevations, but only showing 2 decimal places on the profile sheets. This is creating situations where the grades on the profile sheet cannot be calculated by the elevations shown on the profile sheet. Is there a setting somewhere to adjust the elevations to show 4 decimals?

Answer:

We only show elevations, distances, and stations to 2 decimal places for english projects. Metric projects are 3 decimal places. Grades are shown to 4 decimal places, no matter if it's a metric or english project. You probably wouldn't want to show the elevations to 4 decimal places. To make sure your grade will always come out right when using the profile generator, have the increment settings to these values. This will force the 3rd and 4th decimal places to 0 for elevation and length.

